

Receiving Report

Date: 12/10/13

Supplier: Thysen

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr

Batch No: 1123218

Dart P/O: 17814

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC6 Inspection N/A N/A
 Work Order 12/10/13 12/10/04

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin:

Date 12/10/13

Received/Costing

Initial

Location

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

All amounts are calculated in domestic currency.

Item Types

Item Type	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
481600	4	48.1600	\$17.27	0.0000	0	\$831.74
SJ02			\$831.74	0.0000	0	
8	8	96.3300	\$13.37	0.0000	0	\$1,287.58
SJ02			\$1,287.58	0.0000	0	
120400	1	12.0400	\$38.14	0.0000	0	\$459.17
SJ02			\$459.17	0.0000	0	
360000	3	36.0000	\$0.75	0.0000	0	\$26.85
SJ02			\$26.85	0.0000	0	

Total Received Quantity: 288.8600
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$3,451.63
 Total Balance Due Quantity: 0.0000

12/10/13

B I L L O F L A D I N G

No: PEC 788028

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 01Oct12 at 10:40 From PFW
 Probill
 Via: VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

396

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-493154- 1 Your PO # 17814

ALUMINUM PLATE 7075-T651

1.250" THICK X 2.0000" X 144.5000"

Heat Number Tag No
 208766 109278

Quantity PCS Wt LBS
 8.03 SFT 4 159

MTR'S

2) Our Order PEC-493154- 2 Your PO # 17814

ALUMINUM PLATE 7075-T651

.375" THICK X 5.0000" X 144.5000"

Heat Number Tag No
 P16724 109279

Quantity PCS Wt LBS
 40.14 SFT 8 222

MTR'S

3) Our Order PEC-493154- 3 Your PO # 17814

ALUMINUM PLATE 7075-T651

1.250" THICK X 1.0000" X 144.5000"

Heat Number Tag No
 208766 109280

Quantity PCS Wt LBS
 8.03 SFT 8 162

MTR'S

4) Our Order PEC-493154- 4 Your PO # 17814

ALUMINUM PLATE 7075-T651

1.00" THICK X 5.0000" X 144.5000"

Heat Number Tag No
 212001 109281

Quantity PCS Wt LBS
 5.02 SFT 1 78

MTR'S

5) Our Order PEC-493154- 5 Your PO # 17814

ALUMINUM ROUND BAR 6061-T6511 *

.562" DIA X 144.0000"

Heat Number Tag No
 201207091 109192

Quantity PCS Wt LBS
 36 FT 3 11

MTR'S

Page: 1Continued

2BD

R-551

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANTISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 788028

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 01Oct12 at 10:40 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	24	632

Heat Number
 201207091

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 2 BDS G.W 664 LBS

CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REFINED INSPECTION REPORT

We hereby certify that the material covered by this certificate was taken from material representative of the material and the composition units and had the mechanical properties shown on the face of this sheet. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Quality Assurance Manual

Page 1 of 2

Alcoa Inc.

DAVÉNPORT WORKS 4879 State Street Bettendorf, IA 52722

卷之三

P.O. No./Govt Contract No. Customer Alcoa Item

Malcolm Murphy
Manufacturing Department Works

Page 1 of 2

5.2/10/03

Ship To: COPPER & BRASS SALES INC
5441 NE 148TH AVENUE
CITY 106

PORTLAND 97230 OK
4033 4033 4033 4033 4033 4033
ALFR00995. EXC TK TIL AMS-00-A-250/12 IS 2007 EXC MR
TK TL AMS4045 REV K EXC MRK,TK TH ASTMB209
REV 07 ((MARKED)) KRAFT PAPER
INTERLEVED MAX GROSS SKID WGT: 5000 LB QUAN TOL +/-
40 4 CQR 0210230 REV 08 CUST REQ 11-07-
27 *** W/E 11-07-30 ***

sum	package	Ticket	Weight	Quantity	uom	Inspector Clock Numbers
1	328772	232766	1185	1	PC	47359
2	328772	263767	2370	2	PC	47359
3	328772	643872	1185	1	PC	47359
4	328781	208756	1186	1	PC	47359
5	328781	643872	1189	1	PC	47359
6	329510	643871	2368	2	PC	46898
			9485	8		

Notes for COR: 0210210.8
PRODUCT PROJNED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250-12P. PROJ JCT PROD MARKED TO THE REQUIREMENTS OF QQ-A-250/12 P ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12

CQR: 021:235.8 -Specifica Lim

DELIVERY 240 202 8382
PCS 4 PON Rec # 242311
QC APR *5*

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected (W/I), and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and test samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

PM

McGinnis Murphy Development Works	Terrence Thom
Director of Manufacturing/Development Works	Quality Assurance Manager

Page 2 of 3

CQR: 0210230.8 -Specification Limits (cont.)

Chemical Composition Other Other
Max SI FE CU MN MG CR ZN TI Each Total Aluminum
Min 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15

Alloy 7075 - Mechanical, Physical, Metallography, Quantometer Results

Lot: 208766 No-> UTS TYS EL4D
Temp Dir Test KSI KSI PCT
T651 Long Transv. 3 85.8 77.1 11.1
86.1 77.4 11.1
85.9 77.1 10.3

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02

Lot: 208767 - Mechanical, Physical, Metallography, Quantometer Results

No-> UTS TYS EL4D
Temp Dir Test KSI KSI PCT
T651 Long Transv. 3 85.5 76.7 11.2
85.6 76.8 11.2

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02

Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results

No-> UTS TYS EL4D
Temp Dir Test KSI KSI PCT
T651 Long Transv. 3 83.6 75.2 11.3
83.2 74.6 11.3
83.2 74.6 11

1283122	0	B.L.No.	Invoice No.	Alcoa No.	Item
2011-08-26	6305469	00000	100304296-1		DS-04296-1
P.O.No./Govt Contract No.		Customer		Alcoa Item	
5400106232	Ln#:	0010	COPPER & BRASS SAL	G041094467R08	

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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PER

Malcolm Murphy
Director of Manufacturing Davenport Works

Terence Thom
Quality Assurance Manager

Page 3 of 3

1283122	0	Ship Date	BL No.	Invoice No.	Alcoa No.	Item
2011-08-26	6305469		00000	1000304256-1		DS-04296-1
P.O. No./Govt Contract No.			Customer			
5400106232 Ln#:			0010	COPPER & BRASS SAL G041094467R08		

Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results (cont.) -----
 Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
 Lot: 643872 - Mechanical, Physical, Metallography, Quantometer Results -----
 No-> UTS TYS EL4D
 Temp Dir Test KSI KSI PCT
 T651 Long Transv. 3 84.7 76 10.8
 84.5 76 11
 85.9 76.7 11.2
 Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals 0.07 0.23 1.6 0.04 2.5 0.18 5.6 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

Constellium Valais SA

CH-3960 Sierre
Suisse

Global Aerospace, Transportation and Industry
Europe - ATI Valais, Sierre and Steg plants

Tel : +41 (0) 27 457 51 11

<http://www.constellium.com>

2
Constellium

CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US 26164 RAVENSWOOD

Aluminium plates in AA7075-T651, mill finish, slightly oiled,
To AMS QQ-A-250/12, ASTM B209-07, AMS 4045/J and SIE0002-05
Alumitex paper interleaved

Your article : 012-000289 - 7075-T651

Lot	Production No.	Weight	Quantity	Dimensions
P16724	6222491	3183.42 Lbs	12	0.375" x 48.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Pa-UTS	Pa-YS	AZ2B2H	H8								
min-max	T651	>=78000	>=67000	>=9									
min-max													

Measured values

P16724	T651	87000	79000	12	175								

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti				
Min			1.2		2.1	18		5.1					
Max	.40	.50	2.0	.30	2.9	.28	.06	6.1	.20				

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

11931291	0.07	0.2	1.37	0.039	2.54	0.19	0.0055	5.68	0.023				
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Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

G. Antille
Inspection Department
Valid without signature



DELIVERY 2407078406
PCS 8 PO# P2ec 242B4
04 APR 2011

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected and has been found to meet the applicable requirements specified therein, including any specifications forming a part of the description and that samples representative of the material meet the composition limits and the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The reciting of facts, fictitious, or otherwise fraudulent statements or oaths in this certificate by any recipient may be punished as a felony under applicable law.

Malcolm W. Martin
Director of Manufacturing Division Wm.

Terrence Thom
Quality Assurance Manager

Page 1 of 3

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

11283122	0	Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item
2011-08-25	6305469		000000	1000304295-1		DS-04296-1
P.O. No./Govt Contract No.			Customer		Alcoa Item	
5400106232 Inv#:			0010		COPPER & BRASS	
COPPER & BRASS			QUAN		JL 3041054467R08	

Ship To: COPPER & BRASS SALES INC

5441 NE 148TH AVENUE
SUITE 106
PORTLAND 97230 OR

Item Description
 1.28 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090900-2 (N) A/T 7075-
 T651 RECTANGULAR MILL FINISH -SAWED
 ALFR00095. EXC TK TL AMS-QQ-A-250/12 TS 2007 EXC_MRK,
 TK TL AMS4045 REV K EXC_MRK, TK TL ASTM B209
 REV 07 ((MARKED)) KRAFT PAPER
 INTERLEAVED MAX GROSS SKID WGT: 5000 LB QUAN TOL +/-
 40 % CQR 0210230 REV 08 CUST REQ 11-07-
 27 *** W/E 11-07-30 ***

Item	Package	Ticket	Loc.	Weight	Quantity	UOM	Inspector	Clock	Numbers
1	328772	202366		1185	1	PC	47359		
2	328772	202367		2370	2	PC	47359		
3	328772	643872		1185	1	PC	47359		
4	328781	208756		1188	1	PC	47359		
5	328781	643872		1189	1	PC	47359		
5	329513	643871		2368	2	PC	46998		
				9485	8				

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CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise inaccurate statements or omissions on this certificate by any recipient may be punished as a felony under applicable law.

PH

Malcolm Murphy	Terrence Thom
Director of Manufacturing Works	Quality Assurance Manager
	<i>Signature</i>

Page 2 of 3

CQR: 0210230.8 -Specification Limits (cont.)

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Other	Other	Other
Alloy 7075	Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15
Lot: 208766	Min			1.2		2.1	0.18	5.1			REMAIN

Alloy 7075 - Mechanical, Physical, Metallography, Quantometer Results

No->	UTS	UTS	UTS	UTS	UTS	UTS	UTS	UTS	EL4D
Test	KSI	KSI	KSI	KSI	PCT	PCT	PCT	PCT	
Temp	85.8	77.1	11.1	11.1					
T651	Long Transv.	86.1	77.4	11.1					
		85.9	77.1	10.3					

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
 Lot: 208767 - Mechanical, Physical, Metallography, Quantometer Results

No->	UTS	UTS	UTS	UTS	UTS	UTS	UTS	UTS	EL4D
Test	KSI	KSI	KSI	KSI	PCT	PCT	PCT	PCT	
Temp	85.5	76.7	11.2	11.2					
T651	Long Transv.	85.6	76.8	11.2					
		85.6	77	11.2					

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
 Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results

No->	UTS	UTS	UTS	UTS	UTS	UTS	UTS	UTS	EL4D
Test	KSI	KSI	KSI	KSI	PCT	PCT	PCT	PCT	
Temp	83.6	75.2	11.3	11.3					
T651	Long Transv.	83.2	74.6	11.3					
		83.2	74.6	11					

1283122	0	B.L. No.	Invoice No.	Alcoa No. Item
2011-08-26	6305469	00000	100304296-1	DS-04296-1
P.O.No./Govt Contract No.				Alcoa Item
5400106232 Lnt#:	0010	COPPER & BRASS SAL G041094467R08		

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52772

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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Per:

John Murphy
John Murphy
Director of Manufacturing & Development Works

Terrence Thom
Terrence Thom
Quality Assurance Manager

Page 3 of 3

Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results (cont.) -----
 Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
 Lot: 643872 - Mechanical, Physical, Metallography, Quantometer Results -----
 No-> UTG TWS EL4D
 Tmpr Dir Test KSI KSI PCT
 T651 Long Transv. 3 84.7 76 10.8
 84.5 76 11
 85.9 76.7 11.2
 Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
 H8317021 Actuals D.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

1283122	0	Invoice No.	Alcoa No. Item
Ship Date	B.L. No.	00000	100304296-1
2011-08-26	6305469		DS-04296-1
P.O. No./Govt Contract No.		Cust. Item	Alcoa Item
5400106232	Ln#:	0010	COPPER & BRASS SAL G041094467R08

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that the sample representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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Per:

Rob Woodall
Rob Woodall
Director of Manufacturing Davenport Works

S.7/10/13
Terrence Thom
Quality Assurance Manager

Page 1 of 3

1418427 Ship Date	0 BL No.	Invoice No. Alcoa No. Item
2012-08-16 P.O./Govt Contract No.	7279278 Customer	00000 Alcoa Item
DP-00830-3 5400149413 C&B G041094912R10		

Ship To: COPPER & BRASS SALES INC
1015 SAINT JEROME ST.
MISHAWAKA, IN 46544 IN

 Item Description
 1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -
 0.000) X 144.5 IN L IN (+.5 -0.0) CAT X 090893-9
 1632 - RECTANGULAR MILL FINISH, SAWED ALFIR00994. (N) A4T 7075-
 250/12 15 2007 EXC MRK AMS4045 REV K
 EXC MRK ASME209 REV 10 ((MARKED))
 KRAFT PAPER INTERLEAVED
 MAX GROSS SKID WGT: 4500 LB QUAN TOL +/-
 40 % COR 0210606 REV 10 CUST REQ 12-08-
 08 *** W/E 12-08-11 ***

Num	Package	Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	439372	211999 212001	954	1	PC	PC	47355	
2	439372	549531	954	1	PC	PC	47355	47406
3	439372	549532	954	1	PC	PC	47355	47406
4	439402	211999	957	1	PC	PC	47355	
5	439402	212001	957	1	PC	PC	47355	47406
6	439402	549531	957	1	PC	PC	47355	47406
7	439402	549532	959	1	PC	PC	47355	47406
8	439408	211999	956	1	PC	PC	47355	
9	439408	212001	955	1	PC	PC	47355	47406
10	439408	549531	955	1	PC	PC	47355	47406
11	439408							
			10512		11			

Notes for COR: 0210606.10
 PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12.
 PROD UCT
 PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

COR: 0210606.10 - Specification Limits

Temp	UTS KSI	TYS KSI	EL4D PCT
T651	Dir Long Transv.	Max Min	77.0 67.0

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402078396

Part:

Wgt: 78.000 LB

James R. Baber

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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Per:

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom
Terrence Thom
Quality Assurance Manager

Page 2 of 3

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

1418427 Ship Date	0 B/L No.	Invoice No.	Alcoa No. Item
2012-08-16	7279278	00000	1000400830-3
P.O. No./Govt Contract No.		DP-00830-3	
5400149413		Customer Alcoa Item	
C&B		G041094912R10	

CQR: 0210606.10 - Specification Limits (cont.) -																																			
Chemical Composition																																			
Alloy	Lot:	Temp	Dir	Test	SI	FE	CU	MN	MG	CR	ZN	TI	Other	Other	Other																				
												Each	Total	Aluminum																					
- Mechanical, Physical, Metallography, Quantometer Results												Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15	REMAIN												
- Mechanical, Physical, Metallography, Quantometer Results												Min	1.2	2.1	0.18	5.1																			
No-> No-> No-> No->												Test	UTS	TYS	EL4D																				
Temp: T651												Dir	KSI	KSI	PCT																				
T651												Long Transv.	3	82.2	72.5	13.1	82.6	73.6	12.5	82.3	72.6	12.8													
Cast Number: H9016014												Chemical - OES	SI	FE	CU	MN	MG	CR	ZN	TI															
Lot: 212001												Actuals	0.06	0.25	1.5	0.02	2.4	0.18	5.5	0.01															
- Mechanical, Physical, Metallography, Quantometer Results												No->	UTS	TYS	EL4D																				
Temp: T651												Dir	KSI	KSI	PCT																				
T651												Long Transv.	3	82.8	73.5	13.3	83	74.3	12.7	82.7	72.9	12.7													
Cast Number: H9016014												Chemical - OES	SI	FE	CU	MN	MG	CR	ZN	TI															
Lot: 549531												Actuals	0.06	0.25	1.5	0.02	2.4	0.18	5.5	0.01															
- Mechanical, Physical, Metallography, Quantometer Results												No->	UTS	TYS	EL4D																				
Temp: T651												Dir	KSI	KSI	PCT																				
T651												Long Transv.	3	82.6	73.1	12.2	82.5	73.7	11.9	82.5	72.9	12.1													

From: Copper and Brass Sales

Cust: THYSENKRUPP MATERIALS NA - ECAD Del: 2402078396

Part: Wgt: 78.000 LB

James R. Baker

James R. Baker

Wgt: 78.000 LB

PO: PEC# 242311

Date: 09/26/2012

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
 ALUMINUM PLATE 7075-T651
 1.250" THICK X 2.000" X 144.5000"
 PART NO.



PO#REL 17814

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

BILL TO
 ThyssenKrupp Materials NA
 ship to
 ThyssenKrupp Materials NA PPEC
 Quantity Certified 1,332 lbs

MANIFEST NUMBER 158335
 CUSTOMER PO PEC-238591
 CUSTOMER PART NUMBER RD0370

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Mechanical Properties

Tests

Box No.

- 1 201207091
- 2 201207091

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
04/24/12	50.6	48.9	14.9
04/24/12	50.7	48.7	13.6

Certificate of Mill Test Results
 Signed by: *Alvin J. Wiggins*
 Attn: *Alvin J. Wiggins*
 BL#PC-788028-001
 10Oct12
 Pg 1/1

OUR ORDER NUMBER	ITEM
149203	3

CERTIFICATION
 ASTM-B221-12 No Stencil
 specification
 AMS-QQA-2007B

Items produced and certified as 6061-T6511 also
 meet the requirements of 6061-T6

CERTIFICATION
 5/2/2012
 RD0370
 6061-T6511
 Lightning Rod Tie 0.562 +.004/-0.003

DATE OF SHIPMENT
 5/2/2012
 SALES PERSON
 David Schroeder

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Each	Total	Melt Source:
041425	6061	0.76	0.35	0.34	0.09	0.87	0.10	0.06	0.02	0.05	0.15		United States of America
041523	6061	0.77	0.39	0.32	0.09	0.86	0.10	0.06	0.02	0.05	0.15		

Print Date: 5/2/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 9/23/11: UMS

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 1 of 3

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

REVISED

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Ship To :	DART AEROSPACE LTD	1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CANADA
-----------	--------------------	---

123218

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
5	M7075T6B1.250X2.000	7075-T6 BAR 1.250" X 2.000"	9/28/12 Yes	48.00 f	Yours ppd	\$16.9800	\$815.04

Special Inst:	MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A- 250/12 CUT FROM PLATE	Line Total:	\$815.04
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6	M7075T6B5.000X0.375	7075-T6 BAR 5.000" X 0.375"	9/28/12 Yes	96.00 f	Yours ppd	\$13.1417	\$1,261.60
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PC (1440)-3

PO Instructions: QUOTATION # : PEC ST-479347

9/24/12

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 2 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Special Inst:	Req Date/ Taxable	Req Qty	Unit Price	Extended Price	
7	M7075T6BAR1.250X1.000	7075-T6 BAR 1.250" X 1.000"	MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE	9/28/12 Yes	96.00 f	Yours ppd 196.33	\$8.6375	\$829.20
8	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE	9/28/12 Yes	12.00 f	Yours ppd 12.50	\$37.4958	\$449.95

PO Instructions: QUOTATION # : PEC ST-479347

9/24/12

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 3 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

Line Nbr	Reference	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
	Revision ID	Vendor Part Number				

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM
BAR

Line Total: \$449.95

AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-
250/12 CUT FROM PLATE

9	M6061T6R0.563	6061-T6 ROUND BAR .563	9/28/12 Yes	36.00 f	Yours ppd	\$0.7333	\$26.40
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Special Inst: 6061-T6, (OR 6061-T651/ T6510/
T6511/ T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8
)OR AMS 4160)
OR ASTM B211 OR ASTM B221

Line Total: \$26.40

Outstanding PO Total: \$3,382.19

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Instructions: QUOTATION # : PEC ST-479347

CL

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 3

Change Date: 9/24/12